

We Claim:

1. An optical coupling system, comprising:

at least one optical connector having at least one optical fiber end piece and at least one component formed of a material for absorbing electromagnetic waves; and

a mating coupling element having a socket for receiving said optical connector and a covering selected from the group consisting of shielding plates and conductive housings, said covering being able to be connected in a conducting manner to a metallic structure.

2. The optical coupling system according to claim 1, wherein said component includes an outer connector housing formed of an absorbent material.

3. The optical coupling system according to claim 1, wherein said component includes an anti-kink protector formed of an absorbent material.

4. The optical coupling system according to claim 2, wherein said component includes an inner connector housing disposed in said outer connector housing and is formed of a further absorbent material.

5. The optical coupling system according to claim 2, wherein said absorbent material provides an attenuation of high-frequency electromagnetic radiation of at least -0.5 dB/cm.

6. The optical coupling system according to claim 2, wherein said absorbent material provides an attenuation of high-frequency electromagnetic radiation of at least -3 dB/cm.

7. The optical coupling system according to claim 2, wherein said absorbent material provides an attenuation of high-frequency electromagnetic radiation of at least -10 dB/cm.

8. The optical coupling system according to claim 4, wherein said absorbent material and said further absorbent material provide an attenuation of high-frequency electromagnetic radiation of at least -0.5 dB/cm.

9. The optical coupling system according to claim 4, wherein said absorbent material and said further absorbent material provide an attenuation of high-frequency electromagnetic radiation of at least -3 dB/cm.

10. The optical coupling system according to claim 4, wherein said absorbent material and said further absorbent material provide an attenuation of high-frequency electromagnetic radiation of at least -10 dB/cm.

11. The optical coupling system according to claim 1, wherein said optical connector contains no metallic components.

12. The optical coupling system according to claim 1, wherein said mating coupling element is an optoelectronic transceiver.

13. An optical coupling system, comprising:

at least one optical connector having at least one optical fiber end piece and at least one component being one of metallized and formed a conductive material, said optical connector further having a contact device with a latching element; and

a mating coupling element having a socket for receiving said optical connector and a cover selected from the group consisting of shielding plates and conductive housings, said cover being able to be connected in a conducting manner to a metallic structure, and in an inserted state of said optical connector in said mating coupling element, said contact device connecting in an electrically conducting manner said component to said cover of said mating coupling element, said mating coupling element having latching hooks for engaging said latching element.

14. The optical coupling system according to claim 13, wherein said mating coupling element is an optoelectronic transceiver.

15. The optical coupling system according to claim 13, wherein:

said component includes a housing; and

said contact device includes contact springs protruding from said housing.

16. The optical coupling system according to claim 13, wherein said component includes an outer connector housing being one of metallized and formed of an electrically conductive material.

17. The optical coupling system according to claim 13, wherein said component includes an anti-kink protector being one of metallized and formed of an electrically conductive material.

18. The optical coupling system according to claim 13; wherein said component includes an anti-kink protector having a connector-side end being one of metallized and formed of an electrically conductive material.

19. The optical coupling system according to claim 13, wherein said component includes an inner connector housing and an outer connector housing surrounding said inner connector housing, said outer connector housing being one of metallized and formed of an electrically conductive material.

20. An optical connector for an optical coupling system, the optical connector comprising:

at least one optical fiber end piece; and

at least one component formed of a material for absorbing electromagnetic waves.

21. The optical connector according to claim 20, wherein said component includes an outer connector housing, an anti-kink protector, and an inner connector housing disposed in said outer connector housing, at least one of said outer connector housing, said anti-kink protector and said inner connector housing is formed of an absorbent material.

22. An optical connector for an optical coupling system having a mating coupling element with latching hooks and a cover selected from the group consisting of shielding plates and conductive housings, the optical connector comprising:

at least one optical fiber end piece;

at least one component being one of metallized and formed of a conductive material; and

a contact device connecting said component in an electrically conducting manner to the cover of the mating coupling element, said contact device having latching elements for interacting with the latching hooks.

23. The optical connector according to claim 22, wherein:

said component includes a housing; and

said contact device has contact springs protruding from said housing.

24. The optical connector according to claim 22, wherein said component includes an outer connector housing, an anti-kink protector, and an inner connector housing disposed in said outer connector housing, at least one of said outer connector housing, said anti-kink protector, and said inner connector housing are one of metallized and formed of a conductive material.